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NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17 IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09 Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09 Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22 Over 1 million reactions added to CASREACT
NEWS	7	Oct 22 DGENE GETSIM has been improved
NEWS	8	Oct 29 AAASD no longer available
NEWS	9	Nov 19 New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29 COPPERLIT now available on STN
NEWS	12	Nov 29 DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30 Files VETU and VETB to have open access
NEWS	14	Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10 DGENE BLAST Homology Search
NEWS	16	Dec 17 WELDASEARCH now available on STN
NEWS	17	Dec 17 STANDARDS now available on STN
NEWS	18	Dec 17 New fields for DPCI
NEWS	19	Dec 19 CAS Roles modified
NEWS	20	Dec 19 1907-1946 data and page images added to CA and CAplus
NEWS EXPRESS		August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
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=> file stnguide

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**FULL ESTIMATED COST**

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LAST RELOADED: Jan 11, 2002 (20020111/UP).

=> file caplus	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST		0.00	0.45

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FILE COVERS 1907 - 18 Jan 2002 VOL 136 ISS 3  
FILE LAST UPDATED: 16 Jan 2002 (20020116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

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```
=> s spunbond or (spun-bond)
    114 SPUNBOND
    1 SPUNBONDS
    114 SPUNBOND
        (SPUNBOND OR SPUNBONDS)
    37449 SPUN
    3 SPUNS
    37450 SPUN
        (SPUN OR SPUNS)
    424863 BOND
```

206169 BONDS  
546632 BOND  
    (BOND OR BONDS)  
111 SPUN-BOND  
    (SPUN(W) BOND)  
L1     220 SPUNBOND OR (SPUN-BOND)

=> s polyethylene terephthalate or pet  
265344 POLYETHYLENE  
8102 POLYETHYLENES  
267632 POLYETHYLENE  
    (POLYETHYLENE OR POLYETHYLENES)  
74867 TEREPHTHALATE  
1750 TEREPHTHALATES  
75205 TEREPHTHALATE  
    (TEREPHTHALATE OR TEREPHTHALATES)  
19981 POLYETHYLENE TEREPHTHALATE  
    (POLYETHYLENE (W) TEREPHTHALATE)  
39385 PET  
511 PETS  
39633 PET  
    (PET OR PETS)

L2     54493 POLYETHYLENE TEREPHTHALATE OR PET

=> s (linear low density polyethylene) or lldpe  
452889 LINEAR  
53 LINEARS  
452912 LINEAR  
    (LINEAR OR LINEARS)  
1901189 LOW  
334 LOWS  
1901424 LOW  
    (LOW OR LOWS)  
191139 DENSITY  
92238 DENSITIES  
264399 DENSITY  
    (DENSITY OR DENSITIES)  
265344 POLYETHYLENE  
8102 POLYETHYLENES  
267632 POLYETHYLENE  
    (POLYETHYLENE OR POLYETHYLENES)  
4962 LINEAR LOW DENSITY POLYETHYLENE  
    (LINEAR(W) LOW(W) DENSITY(W) POLYETHYLENE)  
5991 LLDPE  
84 LLDPES  
5999 LLDPE  
    (LLDPE OR LLDPES)

L3     7489 (LINEAR LOW DENSITY POLYETHYLENE) OR LLDPE

=> s (high density polyethylene) or hdpe  
2926869 HIGH  
454 HIGHS  
2927126 HIGH  
    (HIGH OR HIGHS)  
191139 DENSITY  
92238 DENSITIES  
264399 DENSITY  
    (DENSITY OR DENSITIES)  
265344 POLYETHYLENE  
8102 POLYETHYLENES  
267632 POLYETHYLENE  
    (POLYETHYLENE OR POLYETHYLENES)  
2284 HIGH DENSITY POLYETHYLENE

(HIGH (W) DENSITY (W) POLYETHYLENE)  
8316 HDPE  
25 HDPES  
8320 HDPE  
(HDPE OR HDPES)  
L4 9633 (HIGH DENSITY POLYETHYLENE) OR HDPE

=> 12 and 13 and 14  
L2 IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).  
  
=> s 12 and 13 and 14  
L5 61 L2 AND L3 AND L4  
  
=> s fabric or textile  
80859 FABRIC  
74103 FABRICS  
112902 FABRIC  
(FABRIC OR FABRICS)  
66347 TEXTILE  
65248 TEXTILES  
100187 TEXTILE  
(TEXTILE OR TEXTILES)  
L6 172015 FABRIC OR TEXTILE  
  
=> s 15 and 16  
L7 6 L5 AND L6  
  
=> s sheath or core  
21523 SHEATH  
4976 SHEATHS  
24254 SHEATH  
(SHEATH OR SHEATHS)  
216793 CORE  
49219 CORES  
241396 CORE  
(CORE OR CORES)  
L8 259537 SHEATH OR CORE  
  
=> s 16 and 18  
L9 3850 L6 AND L8  
  
=> s 15 and 19  
L10 4 L5 AND L9  
  
=> d 1-4 bib, abs  
  
L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 1999:156161 CAPLUS  
DN 130:210768  
TI Nonwoven **fabric**s of short fibers with high bulk and good handle  
and reduced difference between shrinkage in the machine and transverse  
directions  
IN Nagano, Yukiyoshi; Hirabayashi, Shigeru  
PA Chisso Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 11061614 A2 19990305 JP 1997-230282 19970812  
 AB The nonwoven **fabrics** comprise webs prep'd. by dispersing and piling .gtoreq.1 type of short fibers with length 3-25 mm and denier per filament 1-10 to form webs contg. .gtoreq.1 type of heat-bondable fibers (A) with A fiber content .gtoreq.5% and have fiber-to-fiber intersections in the heat-bonded state and exhibit sp. vol. 22-170 cm<sup>3</sup>/g and ratio (R) of heat shrinkage of the fibers in the machine direction to heat shrinkage of the fibers in the transverse direction 0.75-1.25. The nonwoven **fabrics** are useful for diapers, sanitary napkins, incontinence pads, mother's milk pads, filters, and wipers. **HDPE** with m.p. 132.degree. as the **sheath** and polypropylene with m.p. 164.degree. as the **core** were together melt spun at 50:50 wt. ratio to form staple fibers with denier per filament 2.1 and length 10 mm, piled on a net conveyer to form a web, and heat-treated 10 s at 148.degree. to give a nonwoven **fabric** exhibiting tensile strength in the transverse direction 1.63 kg/5 cm, sp. vol. 102 cm<sup>3</sup>/g, and R 1.20 and good handle and showing good urine absorption properties on using the nonwoven **fabric** as the facing material for a diaper.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:163519 CAPLUS  
 DN 128:181392  
 TI A composite laminated sheet comprising a nonwoven **fabric** and a thermoplastic crystalline film  
 IN Noma, Takeshi; Horiuchi, Shingo; Tsujiyama, Yoshimi  
 PA Chisso Corporation, Japan; Noma, Takeshi; Horiuchi, Shingo; Tsujiyama, Yoshimi  
 SO PCT Int. Appl., 76 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9808680	A1	19980305	WO 1997-JP2901	19970820
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9738674	A1	19980319	AU 1997-38674	19970820
	DE 19781951	T	19990812	DE 1997-19781951	19970820
	CN 1228735	A	19990915	CN 1997-197494	19970820
	JP 2001500437	T2	20010116	JP 1998-511456	19970820
	US 6271155	B1	20010807	US 1999-245649	19990208
PRAI	JP 1996-224138	A	19960826		
	WO 1997-JP2901	W	19970820		

AB The sheet comprises a thermoplastic cryst. film and a nonwoven **fabric** having a thermoplastic conjugated fiber comprising a low m.p. component and a high m.p. component, in which the difference in the m.p. between the low m.p. component and the high m.p. component is .gtoreq.10.degree.; the difference in the m.p. between the thermoplastic cryst. film and the low m.p. component of the conjugated fiber is .ltoreq.30.degree.; and the temp. of the position corresponding to 10% of the area from the side of the melting starting point of the endothermic peak of an entire conjugated fiber evaluated by DSC is between the melting starting point and the melting completion point of the endothermic peak of the film. A composite sheet is provided in which a nonwoven **fabric** and a film are adhered without adhesives, the appearance is

excellent, and the adhesive strength between the nonwoven **fabric** and the film is high. The composite sheet can be used for waterproof sheets, for example, paper diapers or sanitary napkins or the like.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 1994:137059 CAPLUS  
DN 120:137059  
TI Manufacture of synthetic nonwoven **fabrics** with high softness and bulk  
PA Hercules Inc., USA  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05222658	A2	19930831	JP 1992-279783	19921019
PRAI US 1991-777931		19911017		

AB The title nonwoven **fabrics** are prep'd. by compressing nonwoven webs of conjugate fibers consisting of a thermoplastic polymer (A) component and a component (B) with the softening temp. smaller than that of A below the softening temp. of B and heat treating the webs at or above the softening temp. of B. A carded web comprising **sheath-core** spun fibers from **HDPE** and **PET** and **LLDPE** fibers was prep'd., pressed, and passed through an air jet at 110.degree. to give a nonwoven **fabric** with high bulk and softness.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 1991:410814 CAPLUS  
DN 115:10814  
TI Thermally bondable synthetic conjugate fibers for manufacture of nonwoven **fabrics** with high tensile strength and improved softness  
IN Ishizawa, Hitoshi; Matsuda, Hideo  
PA Chisso Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03064519	A2	19910319	JP 1989-199129	19890731
JP 2775476	B2	19980716		

AB The title fibers comprise 2 polymers differing (by .gtoreq.20.degree.) in m.p., the low-melting polymer being **LLDPE** contg. C3-12 .alpha.-olefin units and having d. 0.900-0.940, melt index 5-43, and differential scanning calorimetric break temp. (t) other than the m.p. 90-125.degree.. Thus, 1-butene-ethylene copolymer (I; t 107.degree.) as the **sheath** and **PET** as the **core** were melt spun in 50:50 ratio, drawn, crimped, cut, made into a carded web, and heated 2 min at 125.degree. to give a nonwoven **fabric** with tensile strength 5.1 kg/5 cm and bending stress in the machine and transverse directions 17.0 and 8.5 g, resp., vs. 5.2, 42.5, and 27.0, resp., with **HDPE** instead of I.

=> FIL STNGUIDE  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
46.13	46.58

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CA SUBSCRIBER PRICE	0.00	-2.48

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 FILE LAST UPDATED: 16 Jan 2002 (20020116/ED)

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 => FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.34	46.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.48

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FULL ESTIMATED COST	0.00	46.92
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Terms	Documents
113 and 12	0

**Database:**

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- [EPO Abstracts Database](#)
- [Derwent World Patents Index](#)
- [IBM Technical Disclosure Bulletins](#)

113 and 12

[Refine Search:](#)[Clear](#)**Search History****Today's Date: 1/18/2002**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	l3 and l4 and l7	13	<u>L8</u>
USPT	polyethylene terephthalate	42820	<u>L7</u>
DWPI	polyethylene terephthalate	18876	<u>L6</u>
DWPI	linear low density polyethylene same high density polyethylene	376	<u>L5</u>
USPT	linear low density polyethylene same high density polyethylene	2575	<u>L4</u>
USPT	polyester same core and polyethylene same sheath	686	<u>L3</u>
USPT	spunbond fabric same sheath same core	5	<u>L2</u>
DWPI	spunbond fabric same sheath same core	0	<u>L1</u>

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	113 and l2	0	<u>L14</u>
USPT	16 and 19 and 110	15	<u>L13</u>
DWPI	17 and 18 and 111	2	<u>L12</u>
DWPI	Polyethylene terephthalate	18876	<u>L11</u>
USPT	Polyethylene terephthalate	42820	<u>L10</u>
USPT	linear low density polyethylene same high density polyethylene	2967	<u>L9</u>
DWPI	linear low density polyethylene same high density polyethylene	376	<u>L8</u>
DWPI	Polyester same core and Polyethylene same sheath	372	<u>L7</u>
USPT	Polyester same core and Polyethylene same sheath	781	<u>L6</u>
USPT	sheath same core same bicomponent same filaments	251	<u>L5</u>
DWPI	sheath same core same bicomponent same filaments	35	<u>L4</u>
USPT	sheath same core same bicomponent same filaments	251	<u>L3</u>
USPT	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven)	662	<u>L2</u>
DWPI	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven)	32	<u>L1</u>

Set Name Query  
side by side

*DB=USPT,PGPB,DWPI; PLUR=YES; OP=ADJ*

		<u>Hit Count</u>	<u>Set Name</u>
			result set
<u>L8</u>	l6 and l7	3	<u>L8</u>
<u>L7</u>	l4 and l5	1534	<u>L7</u>
<u>L6</u>	l1 and l2 and l3	50	<u>L6</u>
<u>L5</u>	polyethylene terephthalate	73373	<u>L5</u>
<u>L4</u>	(linear low density polyethylene or lldpe) same (high density polyethylene or hdpe)	5817	<u>L4</u>
<u>L3</u>	polyester same core and polyethylene same sheath	1715	<u>L3</u>
<u>L2</u>	sheath same core same (bi-component or bicomponent) same filaments	500	<u>L2</u>
<u>L1</u>	spunbond same (fabric or textile) same (nonwoven or non-woven or unwoven or un-woven)	1124	<u>L1</u>

END OF SEARCH HISTORY